



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Wellinghoff, et al. § Group Art Unit: 1756
Serial No.: 10/057,506 § Examiner: Sadula
Filed: 01/23/2002 § Atty. Docket No.: SWRI-2835-03
Title: Novel Methods and Blends for Controlling Rheology and Transition
Temperature of Liquid Crystals

Commissioner for Patents
PO BOX 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

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In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the references listed on the attached Form PTO/SB/08A be considered by the Examiner and made of record.

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03/30/2004 GWORDOF1 00000071 10057506

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180.00 DP

Respectfully submitted,

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Transmittal form PTO/SB/21 [1 page], Fee Transmittal form PTO/SB/17 [1 page], Supplemental Information Disclosure Statement [1 page], PTO Form PTO/SB/08A [2 pages], Credit Card Payment Form PTO-2038 [1 page], 9 References and return receipt postcard.

Applicant:	<u>Wellinghoff</u>	Group Art Unit:	<u>1756</u>
Serial No.:	<u>10/057,506</u>	Examiner:	<u>Sadula</u>
Filing Date:	<u>01/23/2002</u>	Atty. Docket No.:	<u>SWRI-2835-03</u>
Title:	<u>Novel Methods and Blends for Controlling Rheology and Transition Temperature of Liquid Crystals</u>		

Image

3-29-7

PTO/SB/21 (08-03)

Approved for use through 08/30/2003. OMB 0651-0031
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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/057,506
Filing Date	01/23/2002
First Named Inventor	Wellinghoff
Art Unit	1756
Examiner Name	Sadula
Attorney Docket Number	SWRI-2835-03

Total Number of Pages in This Submission 7+

ENCLOSURES (Check all that apply)

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|--|--|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form
<input type="checkbox"/> Fee Attached
<input type="checkbox"/> Amendment/Reply
<input type="checkbox"/> After Final
<input type="checkbox"/> Affidavits/declaration(s)
<input type="checkbox"/> Extension of Time Request
<input type="checkbox"/> Express Abandonment Request
<input checked="" type="checkbox"/> Supplemental Information Disclosure Statement
<input type="checkbox"/> Certified Copy of Priority Document(s)
<input type="checkbox"/> Response to Missing Parts/Incomplete Application
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)
<input type="checkbox"/> Licensing-related Papers
<input type="checkbox"/> Petition
<input type="checkbox"/> Petition to Convert to a Provisional Application
<input type="checkbox"/> Power of Attorney, Revocation
<input type="checkbox"/> Change of Correspondence Address
<input type="checkbox"/> Terminal Disclaimer
<input type="checkbox"/> Request for Refund
<input type="checkbox"/> CD, Number of CD(s) _____ | <input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
1) 9 References
2) Certificate of Mailing 37 CFR 1.10; and
3) Return Receipt Postcard. |
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Remarks

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Paula D. Morris, Reg. No. 31,516
Signature	<i>Paula D. Morris</i>
Date	3-25-04

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Signature

Date

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/057,506
Filing Date	01/23/2002
First Named Inventor	Wellinghoff
Examiner Name	Sadula
Art Unit	1756
Attorney Docket No.	SWRI-2835-03

METHOD OF PAYMENT (check all that apply)

☐ Check ☒ Credit card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

50-0997 (SWRI-2835-03)

Paula D. Morris & Assoc.

The Director is authorized to: (check all that apply)

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☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 265	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

	Extra Claims	Fee from below	Fee Paid
Total Claims	-20** =	X	\$0.00
Independent Claims	-3** =	X	\$0.00
Multiple Dependent			

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1460 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180	Submission of Information Disclosure Stmt	180.00
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	Paula D. Morris	Registration No. (Attorney/Agent)	31,516	Telephone	713.334.5151
Signature	<i>Paula D. Morris</i>	Date	3-25-04		

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Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/057,506
Filing Date	01/23/2002
First Named Inventor	Wellingtonhoff, et al.
Art Unit	1756
Examiner Name	Jennifer R. SADULA
Attorney Docket Number	SWRI-2835-03

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 5,024,850	06-18-1991	Broer , et al.	
		US- 5,871,665	02-16-1999	Coates, et al.	
		US- 6,060,042	05-09-2000	Schuhmacher	
		US- 6,117,920	09-12-2000	Jolliffe , et al.	
		US- 6,136,225	10-24-2000	Meyer, et al.	
		US- 6,144,428	11-07-2000	Schadt , et al.	
		US- 6,217,792	04-17-2001	Parri , et al.	
		US- 6,217,955	04-17-2001	Coates , et al.	
		US- 6,291,035	09-18-2001	Verrall , et al.	
		US- 6,303,050	10-16-2001	Dannenhauer, et al.	
		US- 6,414,092	07-02-2002	Coates, et al.	
		US- 6,649,230	11-18-2003	Seiberle, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
	/	GB 2 297 549 A	07-08-1996	Merck Patent Gm		
		EP 0 869 112 A1	03-17-1998	Daimler Benz		
		EP 0 242 278 A2	10-21-1987	University of Illinois		
		WO 79/01040	11-29-1979	Eastman Kodak		
		WO 94/16129	07-21-1994	PPG INDUSTRIES		
		WO 92/16183	10-01-1992	THERA PATENT GM		

Examiner
SignatureDate
Considered

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	2	of	2
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Complete if Known

Application Number	10/057,506
Filing Date	01/23/2002
First Named Inventor	Wellinghoff
Art Unit	1756
Examiner Name	Sadula
Attorney Docket Number	SWRI-2835-03

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)				
		EP 0159887 A2	10-30-1985	MINNESOTA MININ		
		EP 0722992 A1	07-24-1996	DEGUSSA AG		
		WO 02/070543 A2	09-12-2002	UNIVERSITY OF TEXAS		

**Examiner
Signature**

Date Considered	
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